CURRENT AND FUTURE TRAINING ENVIRONMENT

MAJ STEVE BAIRD

24 JUNE 2004

AGENDA

- Revolution and Evolution
- The Reality: Life at Home Station
- What we are doing at FLW
- Reach
- Where we are going
- Recommendation
- Questions

Revolution and Evolution

"Simultaneous revolution in military affairs, technology, and information, and a reordering of the international system have shattered traditional boundaries, merging the tactical, operational, and strategic levels of war into a single, integrated universe in which action at the bottom often has instant and dramatic impact at all levels."

***Strategic Art: The new Discipline for 21st Century Leaders*, by MG Richard Chilcoat**

- **Warfare**
  - **Weapons**
  - **Awareness**
  - **Reach**
- **Information**
- **Training**

THE REALITY
LIFE AT HOME STATION

- **The Army is at War**
  - **High Sense of urgency: We know the soldiers who are dying.**
  - **High OPTEMPO: Units are operating under alert-equip-train-deploy-refit**
  - **Evolving Training Requirements: DTLOMS, TTPs, Task Orgs, Missions Change Quickly**
  - **Evolving Equipment: New tactical equipment is Here and more is coming**
- **Evolving unit make up and manning.**
- **Distributed/Network exercises are a reality.**
- **SIPRNET/NIPRNET are Tactical Networks.**
- **Train as we fight: CLASSIFIED**
- **IMA will affecting how we train soldiers**
- **We support agencies other than the U.S. Army (Air Force, Navy, Local/State/Federal Agencies)**

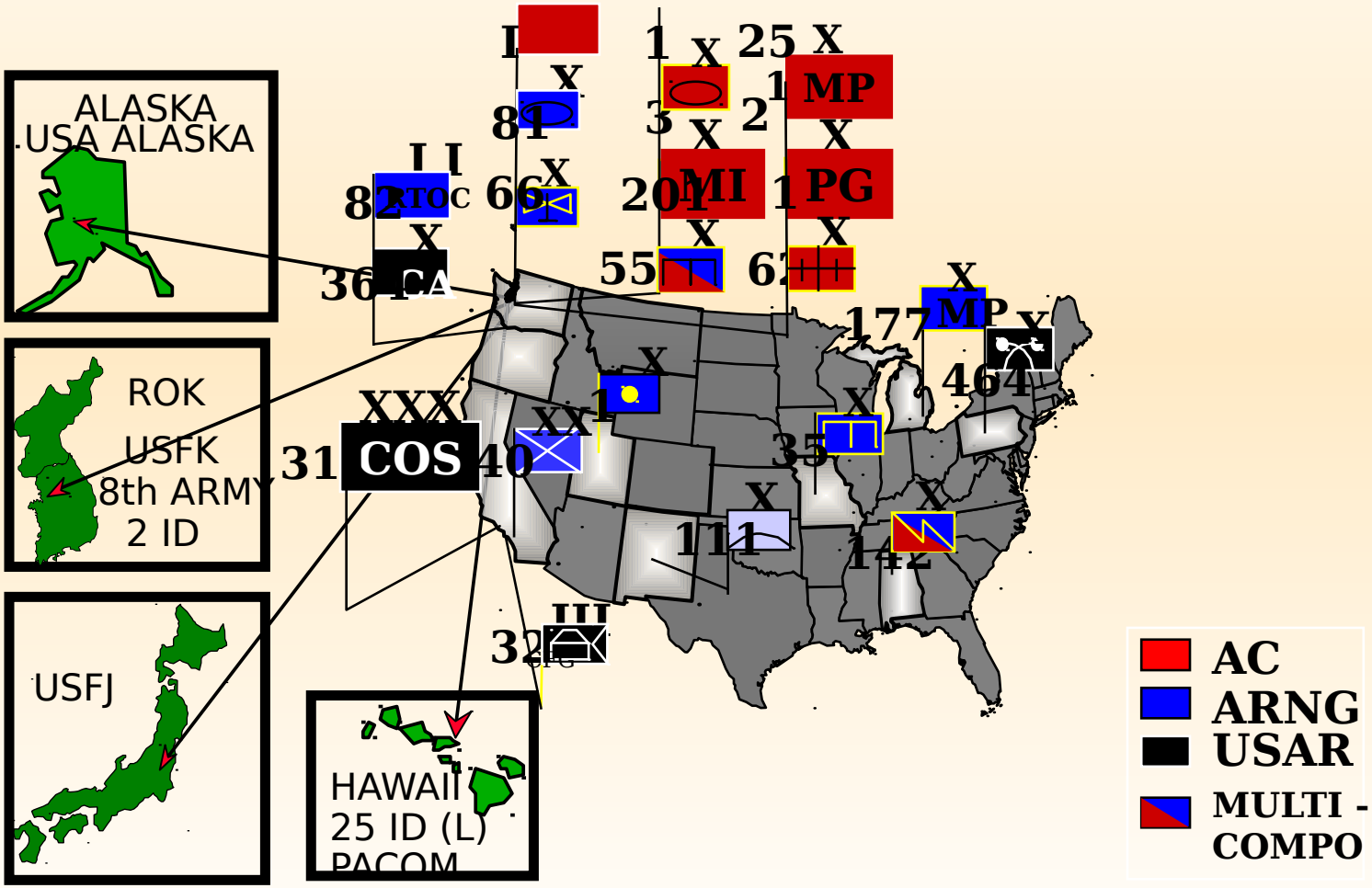
THE REALITY
LIFE AT HOME STATION (cont')

- Commanders are thinking outside the box; SASO environment requires innovative, responsive solutions to simulations support
- Most collective training is no longer stand alone. We train by stimulating C4ISR systems and operating Networks.
- ABCS is hard, training delta does not support deployment schedule, replacements
- We are at the mercy of the ABCS development community! (not working together; trainers and simulations are always playing catch-up)
  - Proprietary software costs and fees are an unacceptable burden on scarce resources.
  - Soldiers understand the Windows based environments

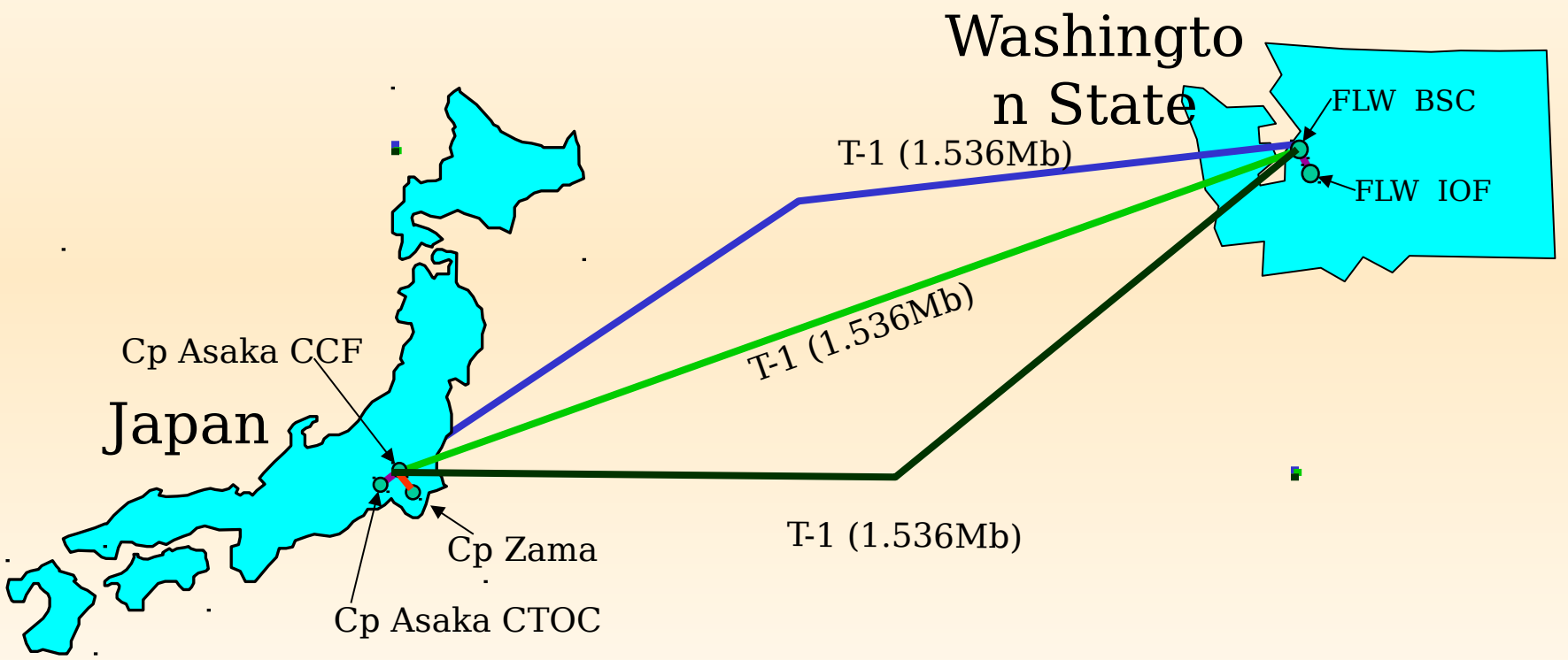
WHAT ARE WE DOING (AT FLW)

- Convoy trainer (Fort Hood Idea that our leaders want)
- MOUT Site (57 buildings, integrating instrumentation,simulation and AAR)
- Home Station Instrumentation (CTC like experience for CO to BN)
- Integrating LIVE, VIRTUAL, AND CONSTRUCTIVE simulations into a Common Synthetic environment
- Tailor training for deploying and deployed units (using existing sims/stims in new ways)
- Distributed Training/Reach (Satellite link to deployed units)

DISTRIBUTED TRAINING
(current participants)

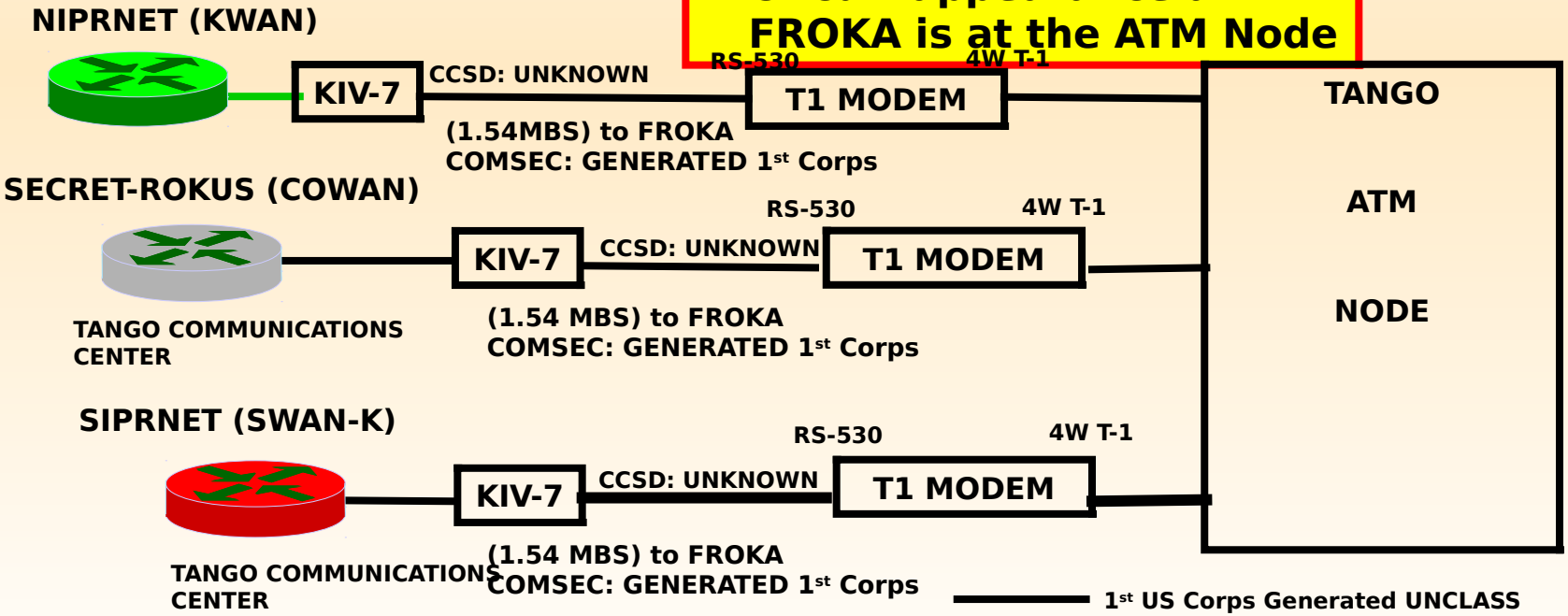


Wide Area Network (WAN)
(YS45, January 2004)



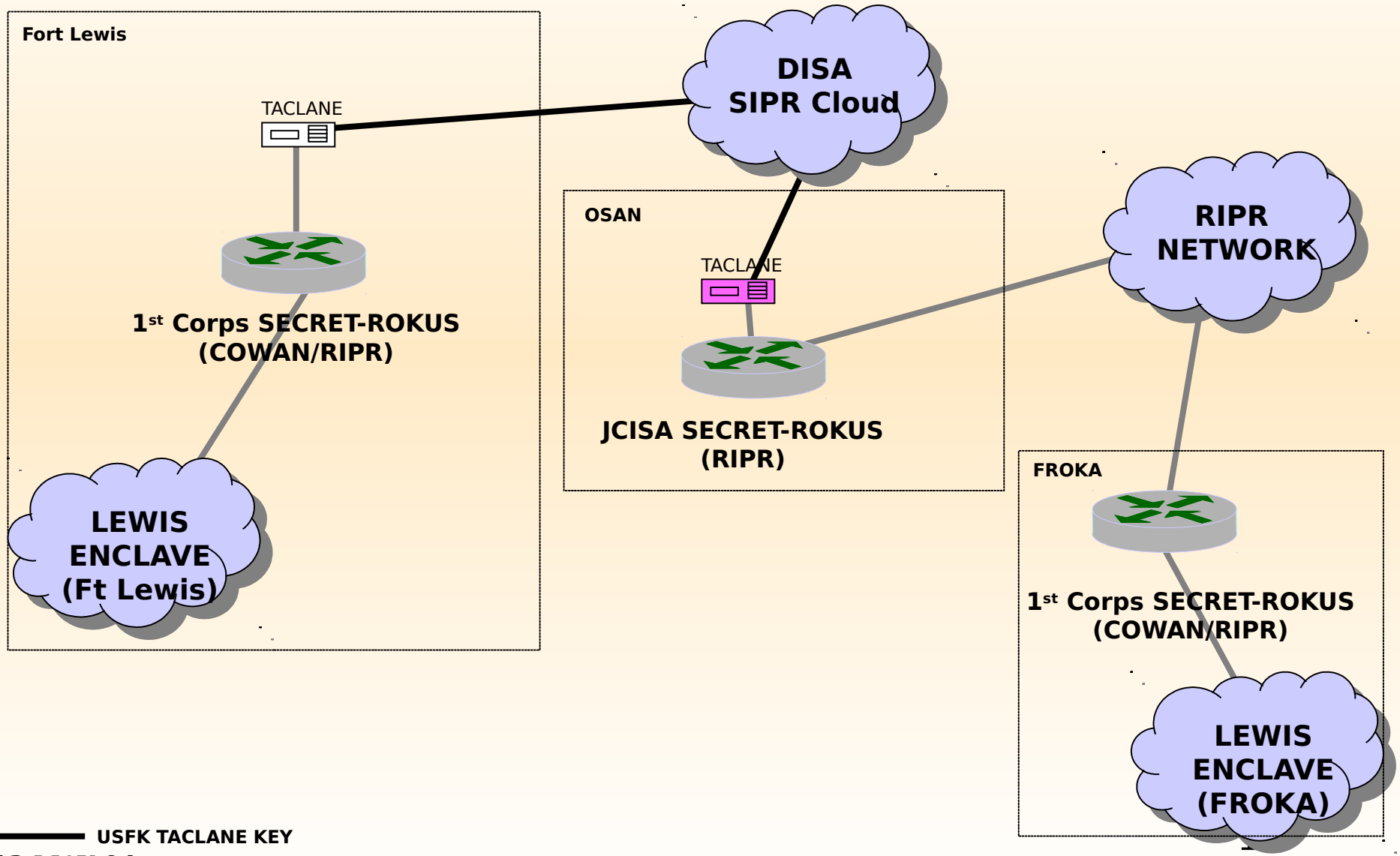
I(US)CORPS SERVICE ORIGINATION AT CP TANGO

- Equipment will be located at CP Tango Comm Center
- Routers depicted are USFK
- Circuit appearance at FROKA is at the ATM Node



UNCLASSIFIED

SUPPORT TO LEWIS ENCLAVE

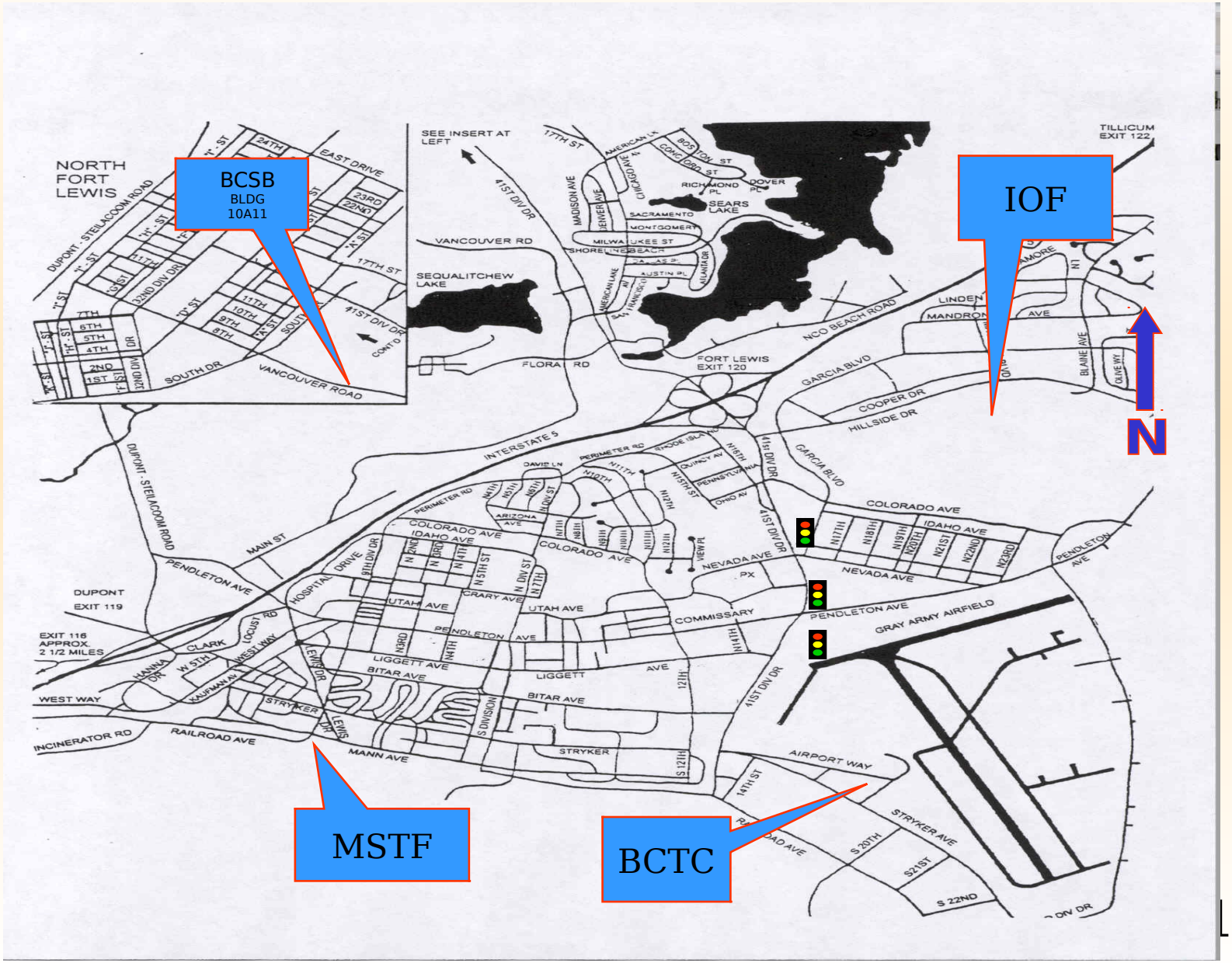


USFK TACLANE KEY

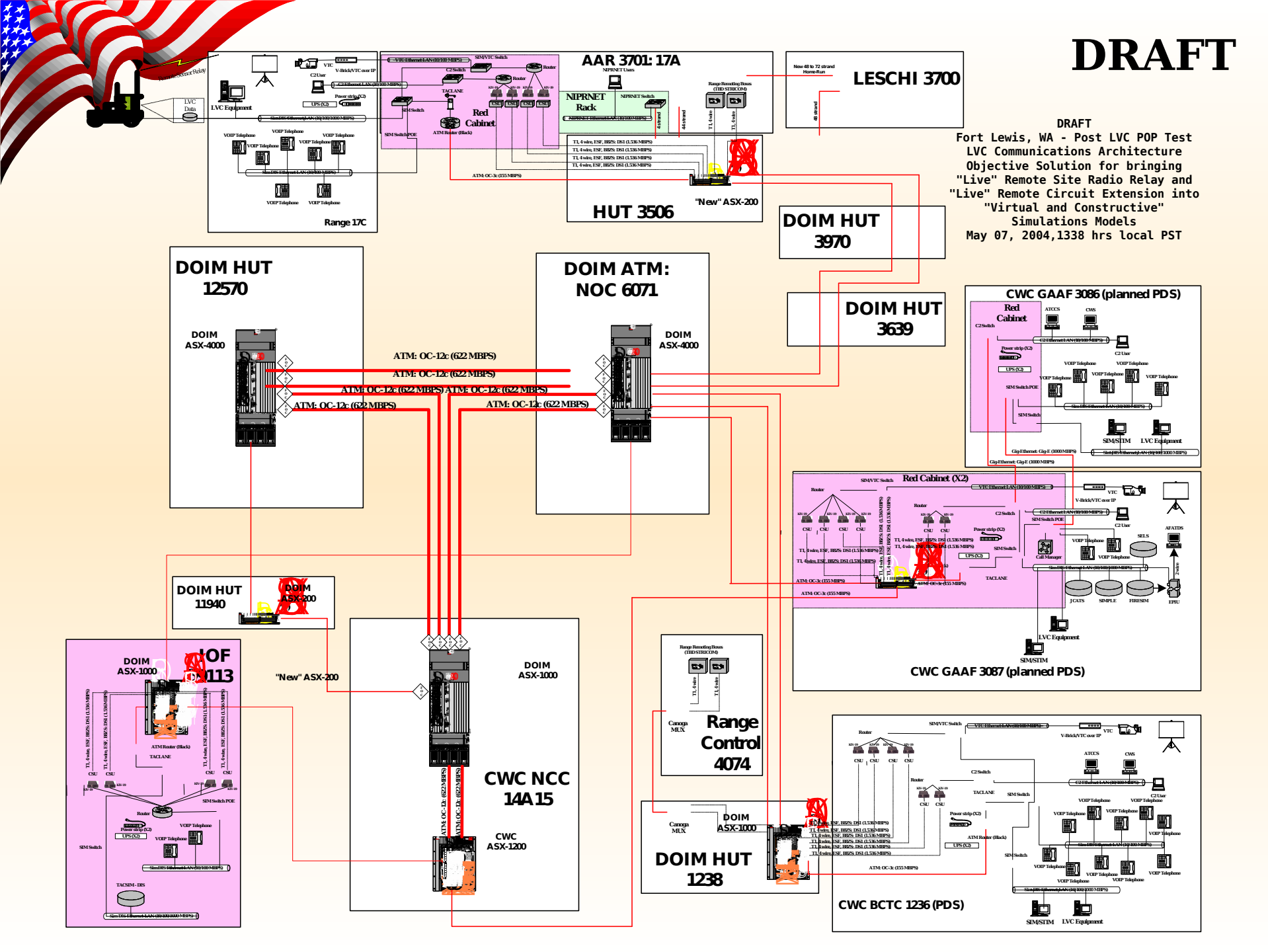
13 MAY 04

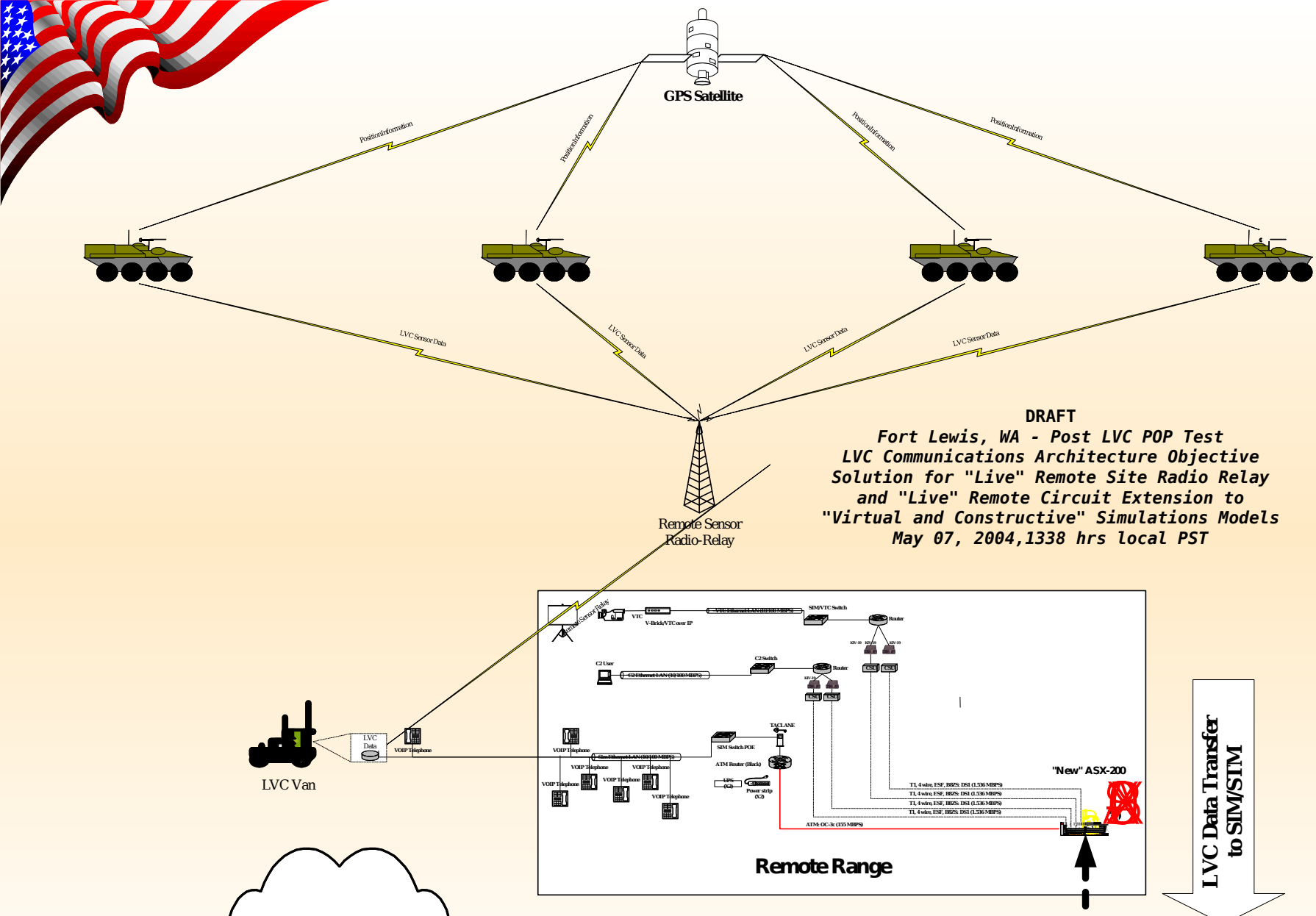
UNCLASSIFIED

FT LEWIS TRAINING SITES



DRAFT


DRAFT
Fort Lewis, WA - Post LVC POP Test
LVC Communications Architecture
Objective Solution for bringing
"Live" Remote Site Radio Relay and
"Live" Remote Circuit Extension into
"Virtual and Constructive"
Simulations Models
May 07, 2004,1338 hrs local PST
AAR 3701: 17A
LESCHI 3700
Range 17C
HUT 3506
"New" ASX-200
DOIM HUT 3970
DOIM HUT 3639
DOIM HUT 12570
DOIM ATM: NOC 6071
DOIM ASX-4000
ATM: OC-12c (622 MBPS)
CWC GAAF 3086 (planned PDS)
Red Cabinet
CWC GAAF 3087 (planned PDS)
Red Cabinet (X2)
DOIM HUT 11940
DOIM ASX-200
DOIM ASX-1000
"New" ASX-200
CWC NCC 14A15
CWC ASX-1200
Range Control 4074
DOIM HUT 1238
CWC BCTC 1236 (PDS)

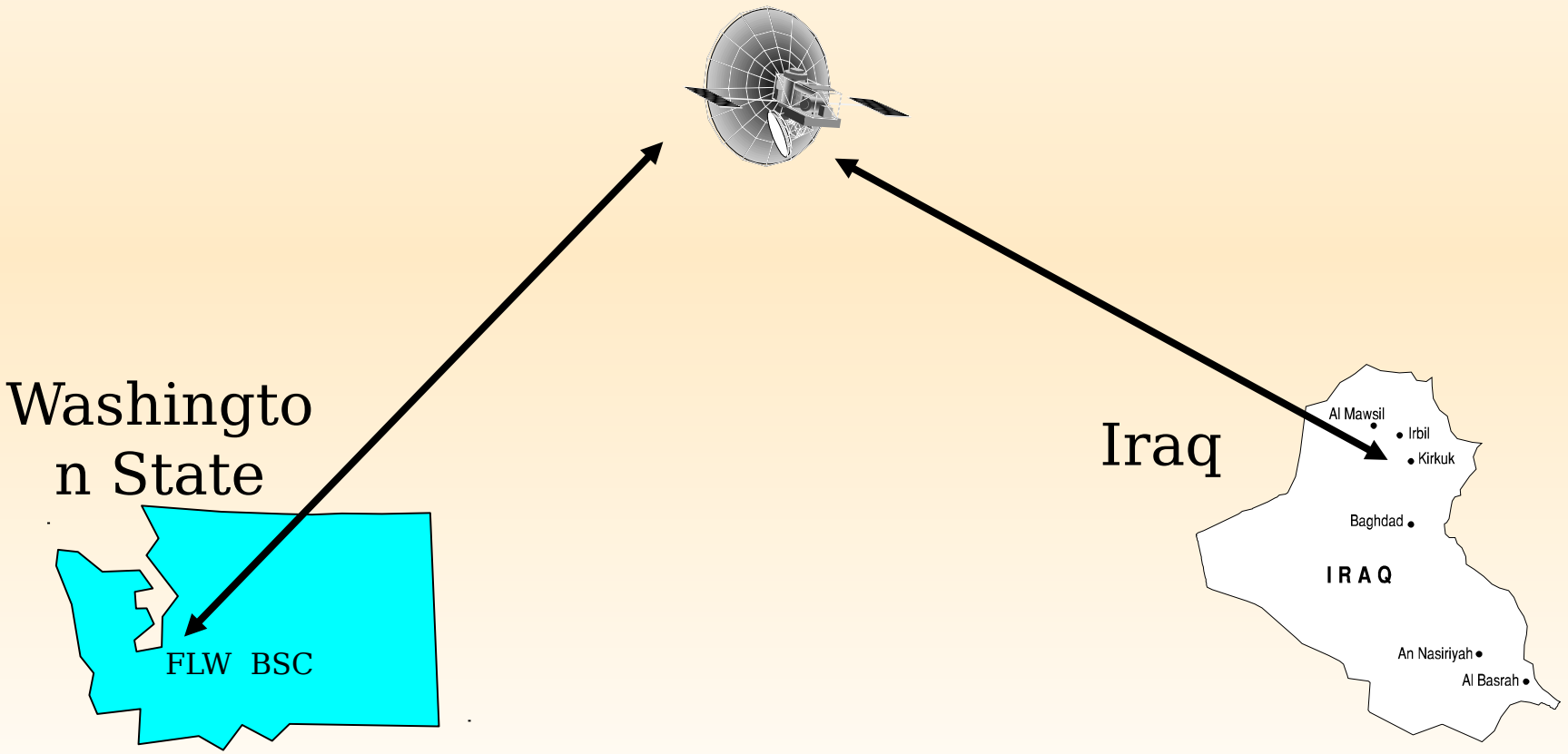


DRAFT

Fort Lewis, WA - Post LVC POP Test
LVC Communications Architecture Objective Solution for "Live" Remote Site Radio Relay and "Live" Remote Circuit Extension to "Virtual and Constructive" Simulations Models
May 07, 2004,1338 hrs local PST

DRAFT

FLW/TF OLYMPIA REACH (VSAT)



REACH OPERATIONS
(BACKGROUND)

- IAW TRADOC PAM 525-3-0.1 Exercise of centralized decision making degrades the effectiveness of Army Forces
  - Battle Command Anytime, Anywhere
  - Unprecedented Information Network Dependability
  - Dramatically smaller deployed footprint
- I (US) Corps Center For Excellence Test Bed

  for REACH INITIATIVES White Paper
- BG Ham (CG, TF Olympia) request for planning support and COA analysis support
- COL Rounds (CDR, 3/2 SBCT) request for Simulations support for COA analysis
- “Right Seat Ride” program for 1-25 and 3/2 transition

REQUIREMENTS

- **Establishment of Operational Reach**
- **Operational Planning Support for TF Olympia and 3/2 STRYKER Bde**
- **Use of COA tools to assist in COA development**
- **ABCS/Digital Training and Software upgrade**
- **“Right Seat Ride” capability from home station**

CAPABILITIES

- Reach Operations (VSAT) with TF Olympia/3-2 SBCT
- GROOVE Collaborative environment W/ Deployed Units
- GCCS-A regional training capability
- FBCB2 training support to Army UA reorganization
- ABCS training to support eBde mobilization
- Individual ABCS/MS/Networking Training

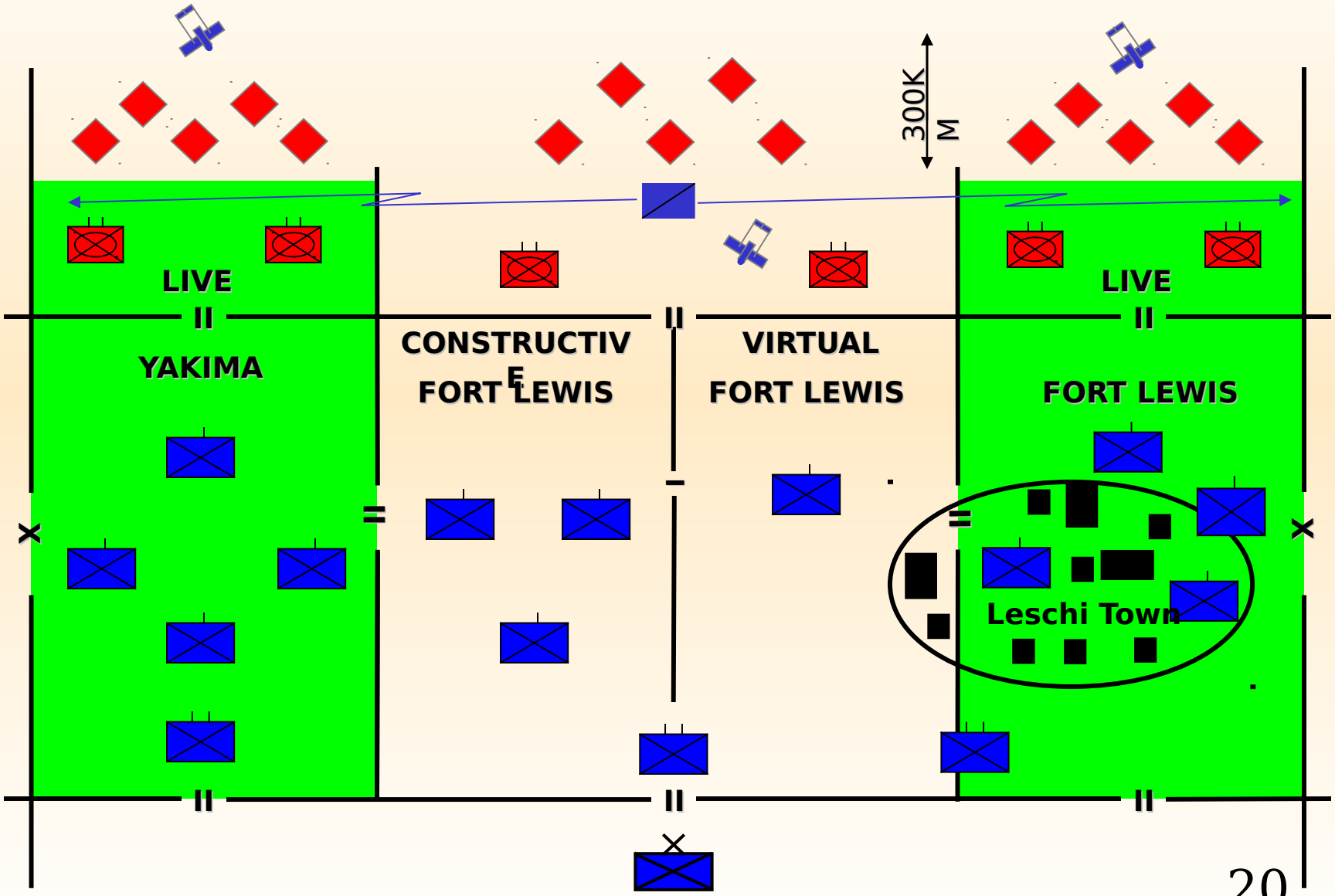
WHERE SHOULD WE GO

(FLW BCTC Perspective)

- JNTC is Coming (Embrace Joint and Coalition communities)
- Evolution vs Revolution (fix the tools we have now, don't ask us to do without and wait for the end all, do all solution some time in the future)
- Training infrastructure Requirements
  - Flexible (scale to training objectives)
  - Adaptable (support other services, coalition partners, governmental agencies)
  - Interoperable
- Build toward a Common Synthetic Environment (On demand modular LVC integration)
- Build simulations with a Windows "like" feel (it is what the soldiers know and decreases training time)

"WRAP AROUND" CONCEPT

Live/Virtual/Constructive



RECOMMENDATIONS

- Fixed, Upper and Lower, tactical internet (SIPRNET, NIPRNET, ABCS, VTC, VOIP)
- Fixed Simulation/Training network
- Access to greater bandwidth
- Distributed training support at RC home station
  - Scalable
  - Expandable
  - Flexible

QUESTIONS?

BCSB POCs

- **Mr. Bobby Jolley, Director** **967-4138**
  Bobby.jolley@lewis.army.mil
- **MAJ Steven Baird, BCSB** **967-8581**
  Steven.baird@lewis.army.mil
- **LTC Tony Schmitz, MSTF** **966-8581**
  anthony.schmitz@lewis.army.mil
- **Mr. Mike McCarthy, BCIB** **966-5639**
  Michael.mccarthy@lewis.army.mil
- **NaVon Rickertsen, Communications Architect** **967-1428**
  navon.rickertsen@lewis.army.mil

Area Code: 253
DSN: 347 (966); 357 (967